

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptaul53cxa

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
STN Express with Discover!  
NEWS 4 OCT 28 KOREAPAT now available on STN  
NEWS 5 NOV 30 PHAR reloaded with additional data  
NEWS 6 DEC 01 LISA now available on STN  
NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004  
NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness  
alerts (SDIs) affected  
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB  
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN  
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED  
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and  
February 2005  
NEWS 17 JAN 26 CA/CAPLUS - Expanded patent coverage to include the Russian  
Agency for Patents and Trademarks (ROSPATENT)  
  
NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

All use of STN is subject to the provisions of the STN Customer  
agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:30:37 ON 04 FEB 2005

=> file caplus uspatful japio medline biosis embase scisearch		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'CAPLUS' ENTERED AT 14:31:58 ON 04 FEB 2005  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 14:31:58 ON 04 FEB 2005  
 CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'JAPIO' ENTERED AT 14:31:58 ON 04 FEB 2005  
 COPYRIGHT (C) 2005 Japanese Patent Office (JPO)- JAPIO

FILE 'MEDLINE' ENTERED AT 14:31:58 ON 04 FEB 2005

FILE 'BIOSIS' ENTERED AT 14:31:58 ON 04 FEB 2005  
 Copyright (c) 2005 The Thomson Corporation.

FILE 'EMBASE' ENTERED AT 14:31:58 ON 04 FEB 2005  
 COPYRIGHT (C) 2005 Elsevier Inc. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 14:31:58 ON 04 FEB 2005  
 Copyright (c) 2005 The Thomson Corporation.

=> s (drug delivery) and viscous  
 2 FILES SEARCHED...  
 L1 5624 (DRUG DELIVERY) AND VISCOUS

=> s l1 and endocytosis  
 L2 321 L1 AND ENDOCYTOSIS

=> s l2 and hydrogel  
 L3 47 L2 AND HYDROGEL

=> s l3 and (apparent viscosity)  
 L4 7 L3 AND (APPARENT VISCOSITY)

=> d l4 1-7 ibib abs

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1997:617964 CAPLUS  
 DOCUMENT NUMBER: 127:268031  
 TITLE: Materials and methods for enhancing cellular  
 internalization  
 INVENTOR(S): Edwards, David A.; Deaver, Daniel R.; Langer, Robert  
 S.  
 PATENT ASSIGNEE(S): Penn State Research Foundation, USA; Massachusetts  
 Institute of Technology  
 SOURCE: PCT Int. Appl., 39 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 9732572	A2	19970912	WO 1997-US3276	19970303
WO 9732572	A3	19971127		
W: AU, CA, JP, KR				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				

AU 9720631	A1	19970922	AU 1997-20631	19970303
EP 885002	A2	19981223	EP 1997-908818	19970303
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 5985320	A	19991116	US 1997-810275	19970303
JP 2000506165	T2	20000523	JP 1997-531869	19970303
PRIORITY APPLN. INFO.:			US 1996-12721P	P 19960304
			WO 1997-US3276	W 19970303

AB Compsns. and methods for delivering agents across cell membranes are disclosed. The compsns. include an agent to be delivered; a **viscous** material such as a **hydrogel**, lipogel, or **viscous** sol; and optionally a carrier that includes a ligand that binds to or interacts with cell surface receptors. The agent to be delivered binds to or otherwise interacts with cell surface receptors; is attached covalently or ionically to a mol. that binds to or interacts with a cell surface receptor; or is associated with the carrier. Agents to be delivered include bioactive compds. and diagnostic agents. The compsns. have an **apparent viscosity** roughly equal to the viscosity of the cytosol in the cell to which the agent is to be delivered. The rate of cellular internalization is higher when the viscosity of the **viscous** material and that of the cytosol in the cell are approx. the same, relative to when they are not the same. The compsns. enhance cellular entry of bioactive agents and diagnostic materials when administered vaginally, nasally, rectally, ocularly, orally, or to the respiratory or pulmonary system. Thus, uptake of 125I-labeled transferrin into human K562 erythroleukemia cells by **endocytosis** from aqueous solns. containing 0.0-1.8% methylcellulose increased slowly with increasing methylcellulose concentration up to 1.25%, then rapidly up to 1.7%, and decreased rapidly at higher concns.; the **apparent viscosity** of methylcellulose solns. in the 1.25-1.7% concentration range was similar to that in the K562 cell cytoplasm. Intravaginal administration of 100 µg leuprolide, a vaginal epithelial LH-RH receptor-binding drug, to sheep in a 1.5% or 1.75% methylcellulose **hydrogel** resulted in an increase in serum LH concentration

L4 ANSWER 2 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2004:139366 USPATFULL  
 TITLE: Compositions and methods for enhancing receptor-mediated cellular internalization  
 INVENTOR(S): Deaver, Daniel R., Franklin, MA, UNITED STATES  
 Edwards, David A., Boston, MA, UNITED STATES  
 PATENT ASSIGNEE(S): The Penn State Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004106542	A1	20040603
APPLICATION INFO.:	US 2003-717251	A1	20031119 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-120940, filed on 10 Apr 2002, GRANTED, Pat. No. US 6652873 Continuation of Ser. No. US 1999-412821, filed on 5 Oct 1999, GRANTED, Pat. No. US 6387390		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103117P	19981005 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATREA L. PABST, HOLLAND & KNIGHT LLP, SUITE 2000, ONE ATLANTIC CENTER, 1201 WEST PEACHTREE STREET, N.E., ATLANTA, GA, 30309-3400	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	

LINE COUNT: 1149

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for improving cellular internalization of one or more compounds are disclosed. The compositions include a compound to be delivered and a biocompatible viscous material, such as a hydrogel, lipogel, or highly viscous soluble. The composition also include, or are administered in conjunction with, an enhancer in an amount effective to maximize expression of or binding to receptors and enhance RME of the compound into the cells. This leads to high transport rates of compounds to be delivered across cell membranes, facilitating more efficient delivery of drugs and diagnostic agents. Compositions are applied topically orally, nasally, vaginally, rectally, and ocularly. The enhancer is administered with the composition or separately, either systemically or preferably locally. The compound to be delivered can also be the enhancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:95806 USPATFULL

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

INVENTOR(S): Vanderhoff, John W., Bethlehem, PA, United States  
Lu, Cheng Xun, Somerset, NJ, United States  
Lee, Clarence C., Lilburn, GA, United States  
Tsai, Chi-Chun, Lawrenceville, GA, United States

PATENT ASSIGNEE(S): C. R. Bard, Inc., Murray Hill, NJ, United States (U.S. corporation)  
Lehigh University, Bethlehem, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6544503	B1	20030408
APPLICATION INFO.:	US 2000-563037		20000501 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-989888, filed on 12 Dec 1997, now patented, Pat. No. US 6214331 Continuation-in-part of Ser. No. US 1996-659770, filed on 6 Jun 1996, now abandoned Continuation-in-part of Ser. No. US 1995-466676, filed on 6 Jun 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Nola-Baron, Liliana Di		
LEGAL REPRESENTATIVE:	Kilpatrick Stockton LLP		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	3525		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is a process for the preparation of crosslinked water-swallowable polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer. A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swallowable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for

implantation, soft tissue augmentation, and scaffolding to promote cell growth.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:213430 USPATFULL  
TITLE: Compositions and methods for enhancing  
receptor-mediated cellular internalization  
INVENTOR(S): Deaver, Daniel R., Franklin, MA, UNITED STATES  
Edwards, David A., Boston, MA, UNITED STATES  
PATENT ASSIGNEE(S): The Penn State Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002114803	A1	20020822
	US 6652873	B2	20031125
APPLICATION INFO.:	US 2002-120940	A1	20020410 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-412821, filed on 5 Oct 1999, GRANTED, Pat. No. US 6387390		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103117P	19981005 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATREA L. PABST, HOLLAND & KNIGHT LLP, SUITE 2000, ONE ATLANTIC CENTER, 1201 WEST PEACHTREE STREET, N.E., ATLANTA, GA, 30309-3400	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	5 Drawing Page(s)	
LINE COUNT:	1149	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for improving cellular internalization of one or more compounds are disclosed. The compositions include a compound to be delivered and a biocompatible viscous material, such as a hydrogel, lipogel, or highly viscous soluble The composition also include, or are administered in conjunction with, an enhancer in an amount effective to maximize expression of or binding to receptors and enhance RME of the compound into the cells. This leads to high transport rates of compounds to be delivered across cell membranes, facilitating more efficient delivery of drugs and diagnostic agents. Compositions are applied topically orally, nasally, vaginally, rectally, and ocularly. The enhancer is administered with the composition or separately, either systemically or preferably locally. The compound to be delivered can also be the enhancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:108620 USPATFULL  
TITLE: Compositions and methods for enhancing  
receptor-mediated cellular internalization  
INVENTOR(S): Deaver, Daniel R., Franklin, MA, United States  
Edwards, David A., Boston, MA, United States  
PATENT ASSIGNEE(S): The Penn State Research Foundation, University Park, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6387390	B1	20020514
APPLICATION INFO.:	US 1999-412821		19991005 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-103117P	19981005 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Azpuru, Carlos A.	
LEGAL REPRESENTATIVE:	Holland & Knight LLP	
NUMBER OF CLAIMS:	22	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 5 Drawing Page(s)	
LINE COUNT:	1185	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for improving cellular internalization of one or more compounds are disclosed. The compositions include a compound to be delivered and a biocompatible viscous material, such as a hydrogel, lipogel, or highly viscous soluble. The composition also include, or are administered in conjunction with, an enhancer in an amount effective to maximize expression of or binding to receptors and enhance RME of the compound into the cells. This leads to high transport rates of compounds to be delivered across cell membranes, facilitating more efficient delivery of drugs and diagnostic agents. Compositions are applied topically orally, nasally, vaginally, rectally, and ocularly. The enhancer is administered with the composition or separately, either systemically or preferably locally. The compound to be delivered can also be the enhancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2001:51555 USPATFULL

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

INVENTOR(S): Vanderhoff, John W., Bethlehem, PA, United States  
 Lu, Cheng Xun, Somerset, NJ, United States  
 Lee, Clarence C., Lilburn, GA, United States  
 Tsai, Chi-Chun, Lawrenceville, GA, United States

PATENT ASSIGNEE(S): C. R. Bard, Inc., Murray Hill, NJ, United States (U.S. corporation)  
 Lehigh University, Bethlehem, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6214331	B1	20010410
APPLICATION INFO.:	US 1997-989888		19971212 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-659770, filed on 6 Jun 1996, now abandoned Continuation-in-part of Ser. No. US 1995-466676, filed on 6 Jun 1995, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kulkosky, Peter F.		
LEGAL REPRESENTATIVE:	Kilpatrick Stockton LLP		
NUMBER OF CLAIMS:	29		
EXEMPLARY CLAIM:	1		
LINE COUNT:	3840		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention is a process for the preparation of crosslinked water-swellaible polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer.

A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swellaable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for implantation, soft tissue augmentation, and scaffolding to promote cell growth.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 1999:146020 USPATFULL

TITLE: Materials and methods for enhancing cellular internalization

INVENTOR(S): Edwards, David A., State College, PA, United States  
Deaver, Daniel R., Port Matilda, PA, United States  
Langer, Robert S., Newton, MA, United States

PATENT ASSIGNEE(S): The Penn State Research Foundation, University Park, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5985320		19991116
APPLICATION INFO.:	US 1997-810275		19970303 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-12721P	19960304 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Kishore, Gollamudi S.	
LEGAL REPRESENTATIVE:	Monahan, Thomas J.	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	991	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions and methods for delivering agents across cell membranes are disclosed. The compositions include an agent to be delivered, a **viscous** material, such as a **hydrogel**, lipogel or **viscous** sol, and, optionally, a carrier that includes a ligand that binds to or interacts with cell surface receptors. The agent to be delivered binds to or otherwise interacts with cell surface receptors, is attached, either covalently or ionically to a molecule that binds to or interacts with a cell surface receptor, or is associated with the carrier. Agents to be delivered include bioactive compounds and diagnostic agents. The compositions have an **apparent viscosity** roughly equal to the viscosity of the cytosol in the cell to which the agent is to be delivered. The rate of cellular internalization is higher when the viscosity of the **viscous** material and that of the cytosol in the cell are approximately the same, relative to when they are not the same. The compositions enhance cellular entry of bioactive agents and diagnostic materials when administered vaginally, nasally, rectally ocularly, orally, or to the respiratory or pulmonary system.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.